Connecting To The MongoDB Compass

```
In [2]: import pymongo    ####Roll no:- DS5B-2101
        client = pymongo.MongoClient("mongodb://localhost:27017/")
        client
```

```
Out[2]: MongoClient(host=['localhost:27017'], document_class=dict, tz_aware=False, connect=True)
```

List Of Databases

```
In [3]: client.list_database_names() ####Roll no:- DS5B-2101
```

```
Out[3]: ['BDexam', 'admin', 'config', 'local']
```

Create DB

```
In [4]: mydb = client["BDexam"]    # the DB will not show in list untill unless data is inserted i
```

Creating Collection inside DB

```
In [5]: collection1 = mydb["hospital"]
```

Inserting a Single record

```
In [16]: record = {
         "Patient_no3":{"Name":"Ayushman",
                        "Age":24,
                        "blood group":"O-",
                        "dieseas":"alzimar",
                        "contact info":8989898989,
                        "relative":{"name":"rani", "relation":"casuin"},
                        "condition":"critical"}}
         collection1.insert_one(record)
```

```
Out[16]: <pymongo.results.InsertOneResult at 0x18910c08f40>
```

Deleting A Record

```
In [7]: collection1.delete_one({"Patient_mo.2.Age":24})
```

```
Out[7]: <pymongo.results.DeleteResult at 0x18910880d90>
```

Updating A Record

```
In [11]: collection1.update_one({"Patient_no.1.Age":25}, {"$set":{"Patient_no.1.Age":52}})
```

`<pymongo.results.UpdateResult at 0x18910c0b0a0>`

In [17]:
```python
for i in collection1.find():
    print(i)
```

```
{'_id': ObjectId('62930d06b26a1cfe61265d2a'), 'Patient_no.1': {'Name': 'manvi rane', 'Ag
e': 52, 'blood group': 'B+', 'dieseas': 'myopia', 'contact info': 9898989898, 'relativ
e': {'name': 'raj', 'relation': 'son'}, 'condition': 'critical'}}
{'_id': ObjectId('629312f73cb6073138d0fa61'), 'Patient_no.2': {'Name': 'Ayushman', 'Ag
e': 24, 'blood group': 'O-', 'dieseas': 'alzimar', 'contact info': 8989898989, 'relativ
e': {'name': 'rani', 'relation': 'casuin'}, 'condition': 'critical'}}
{'_id': ObjectId('629314133cb6073138d0fa62'), 'Patient_no3': {'Name': 'Ayushman', 'Age':
24, 'blood group': 'O-', 'dieseas': 'alzimar', 'contact info': 8989898989, 'relative':
{'name': 'rani', 'relation': 'casuin'}, 'condition': 'critical'}}
```

Finding a record

In [18]:
```python
query1 = {"Patient_no3.Name":"Ayushman"}

results = collection1.find(query1)
for data in results:
    print(data)
```

```
{'_id': ObjectId('629314133cb6073138d0fa62'), 'Patient_no3': {'Name': 'Ayushman', 'Age':
24, 'blood group': 'O-', 'dieseas': 'alzimar', 'contact info': 8989898989, 'relative':
{'name': 'rani', 'relation': 'casuin'}, 'condition': 'critical'}}
```

In [ ]: